

ABSTRACT

A transmitter equipped with a plurality of transmission path ports and a relay section. The relay
5 section has a routing table and a router. In the routing
table, information about the relay of the received packet
to one of the transmission path ports connected to a relay
transmission path is stored, correlated with both a port
identifier of each the transmission path port and the source
10 address of the transmitter that transmitted the packet.
The router extracts the port identifier of the transmission
path port that received the packet and the source address
contained in the received packet, and routes the received
packet to the transmission path port connected to the relay
15 transmission path by referring to the routing table for
the extracted port identifier and the extracted source
address.